6. Schematic Diagrams

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Note

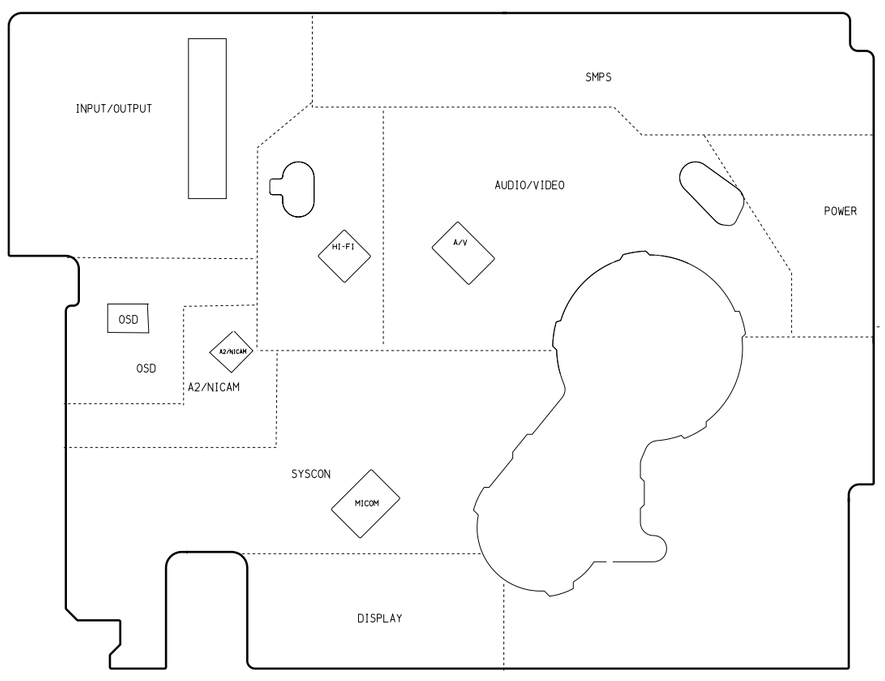
For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.

Special note :
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

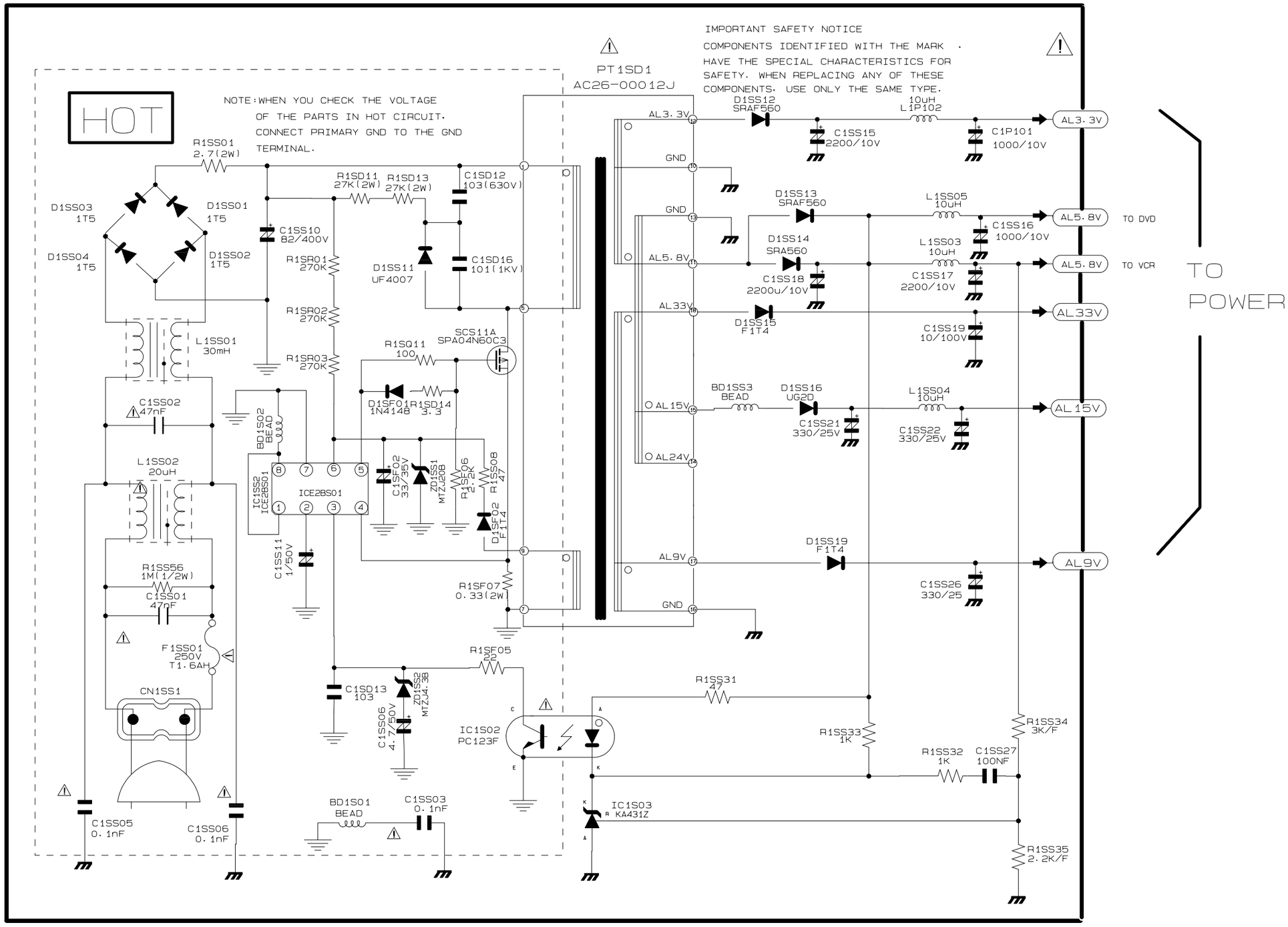
Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components.
Use only the same type.

◆ Block Identification of Main PCB



<Component Side>

6-1 S.M.P.S.



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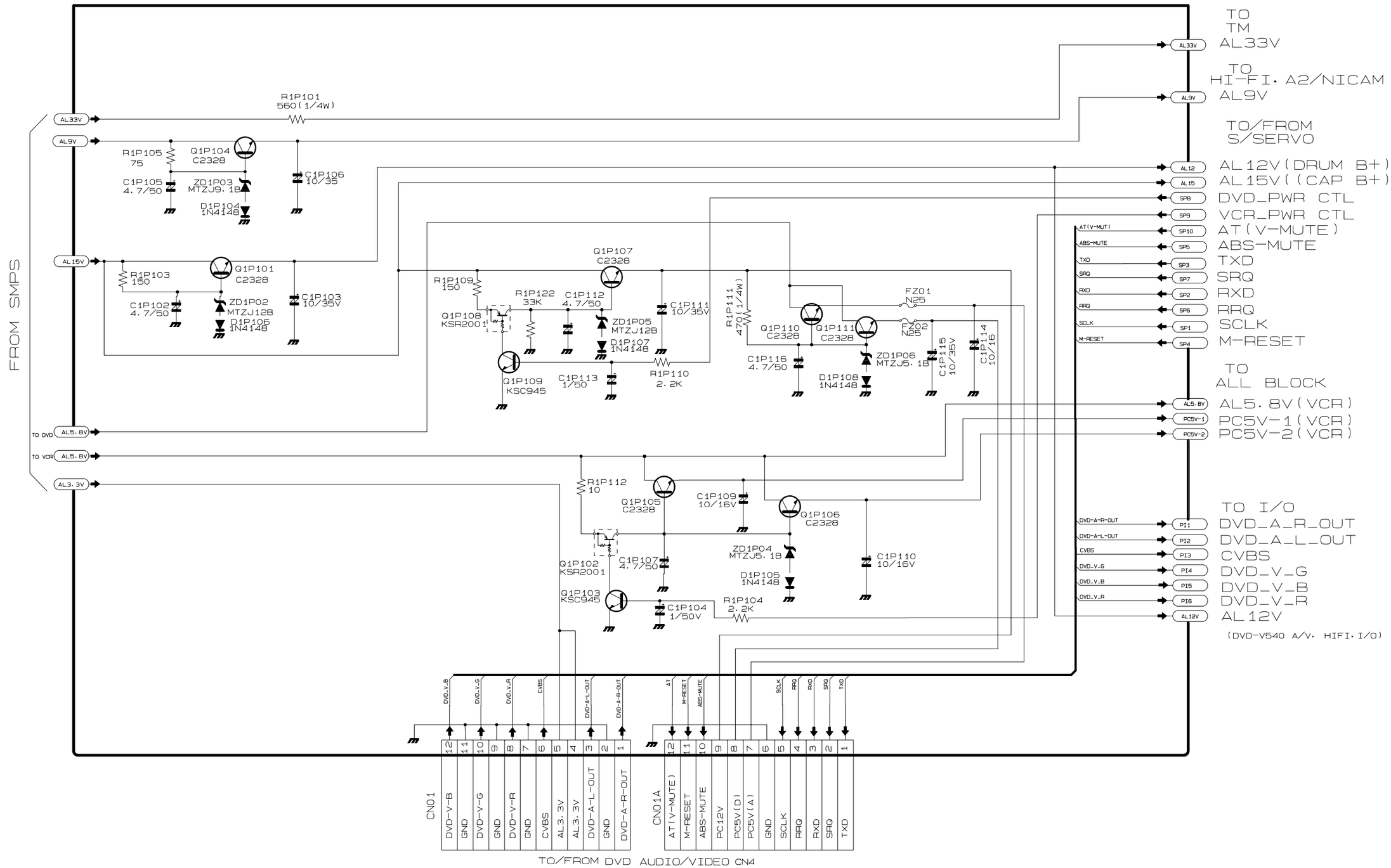
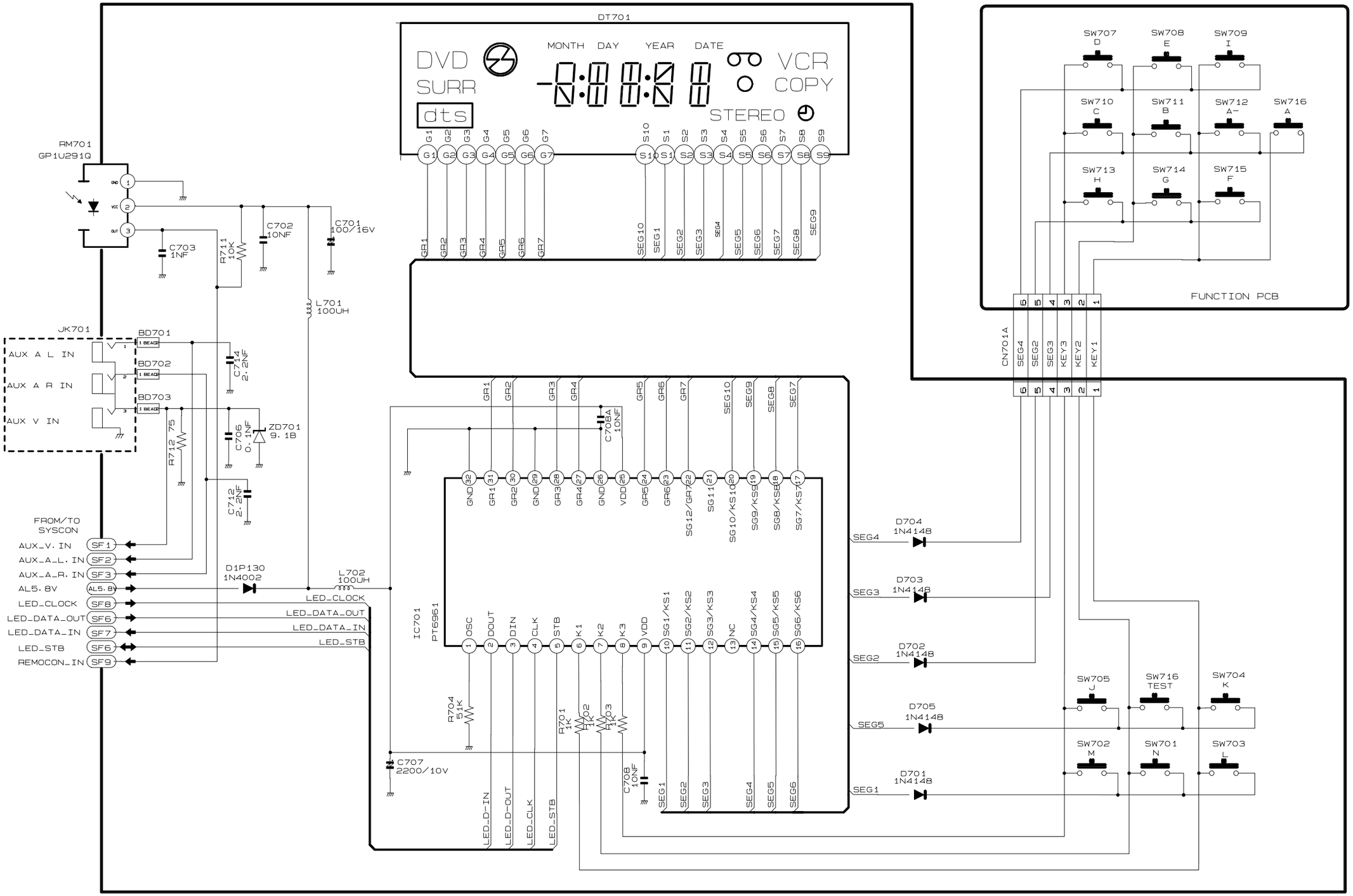
6-2 Power Drive



6-3 Display/Function



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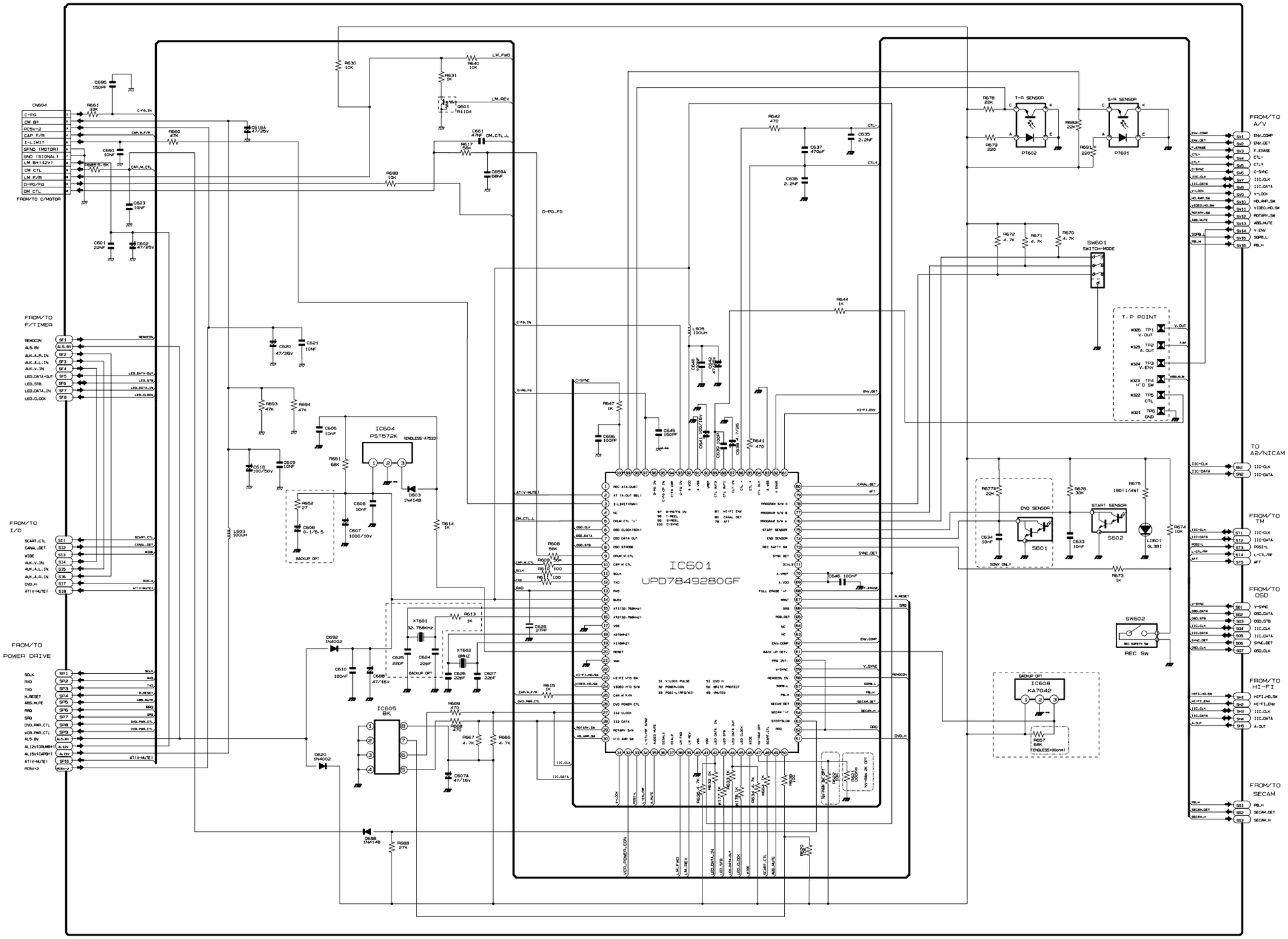
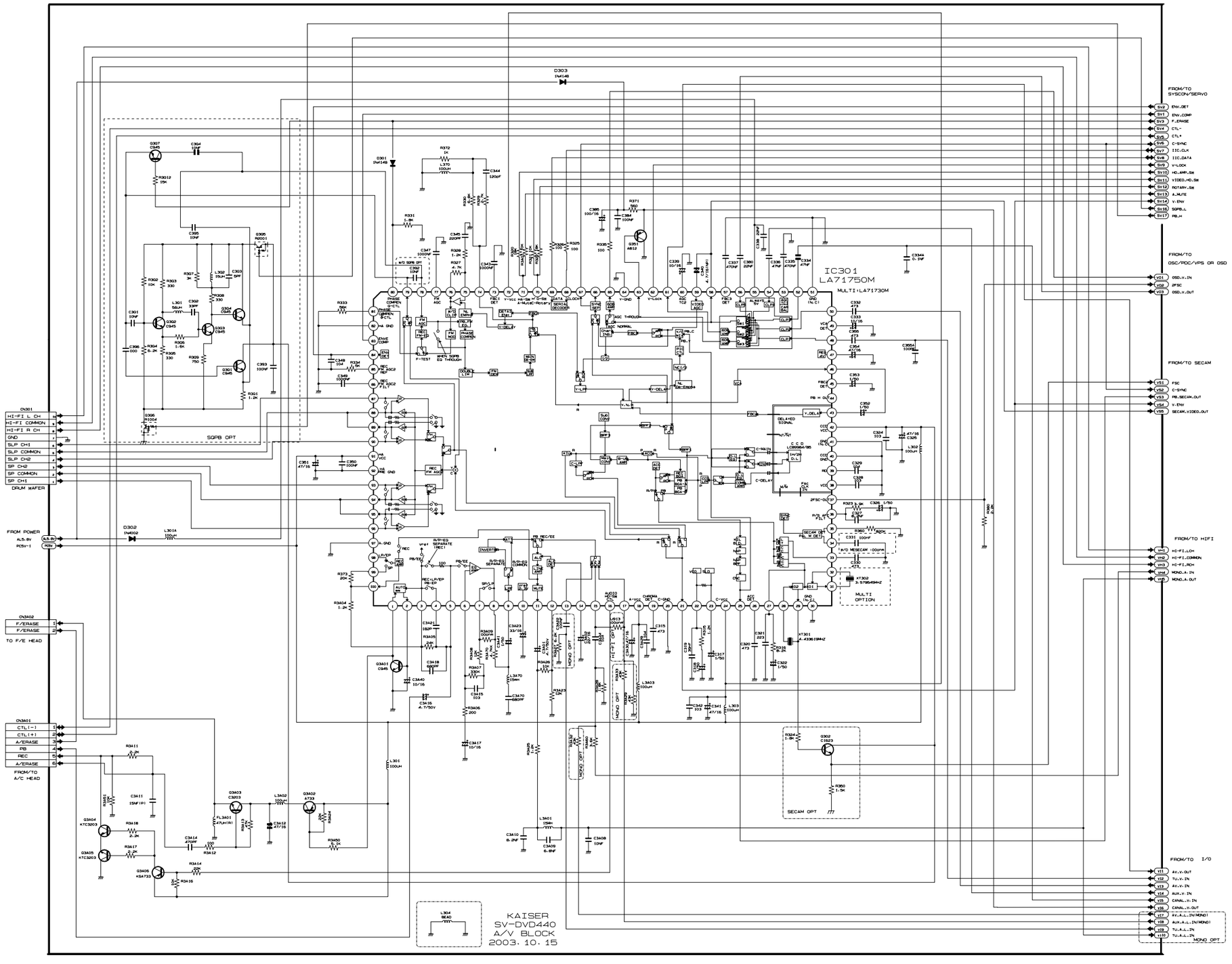
6-4 System Control/Servo



6-5 A/V



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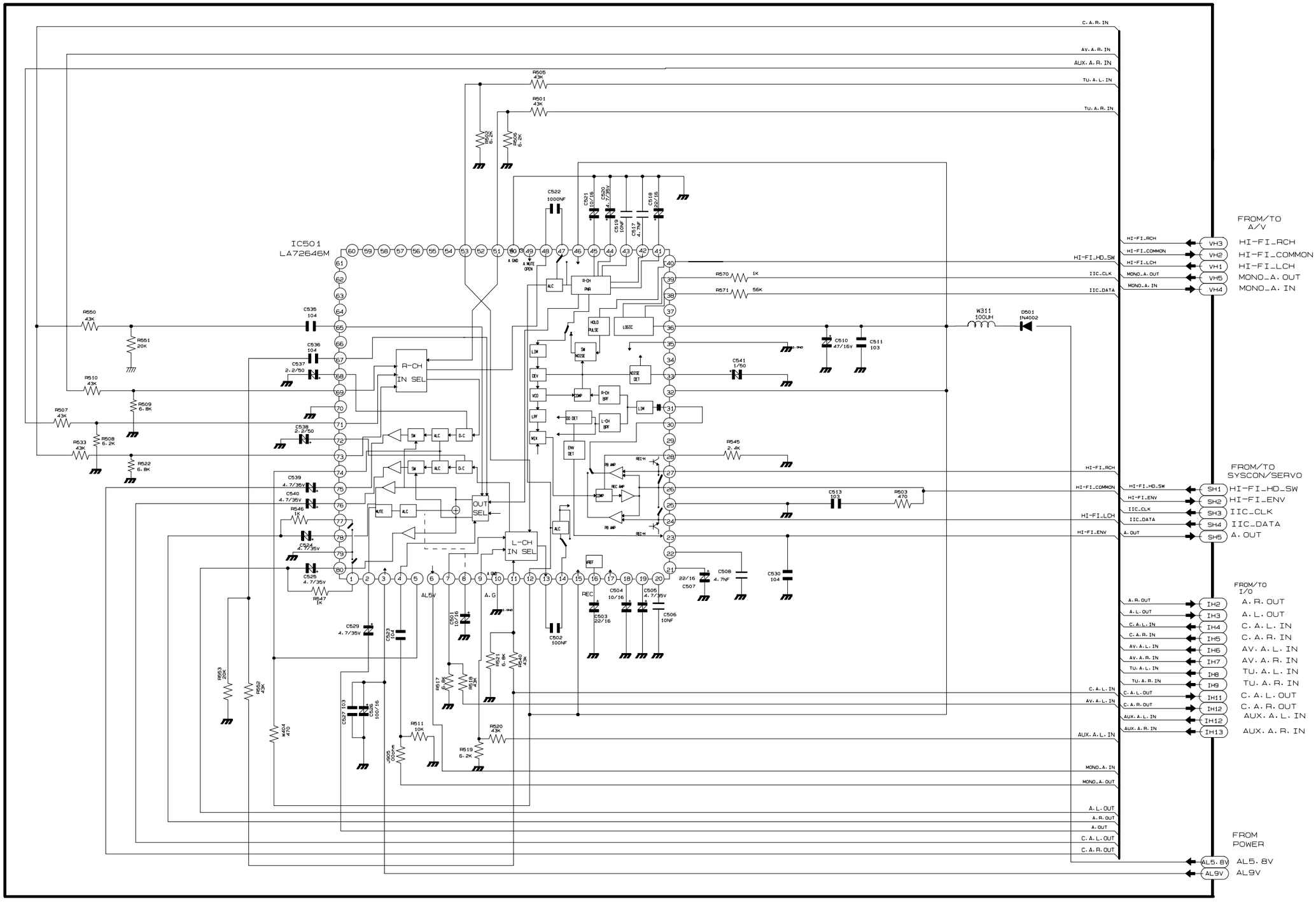
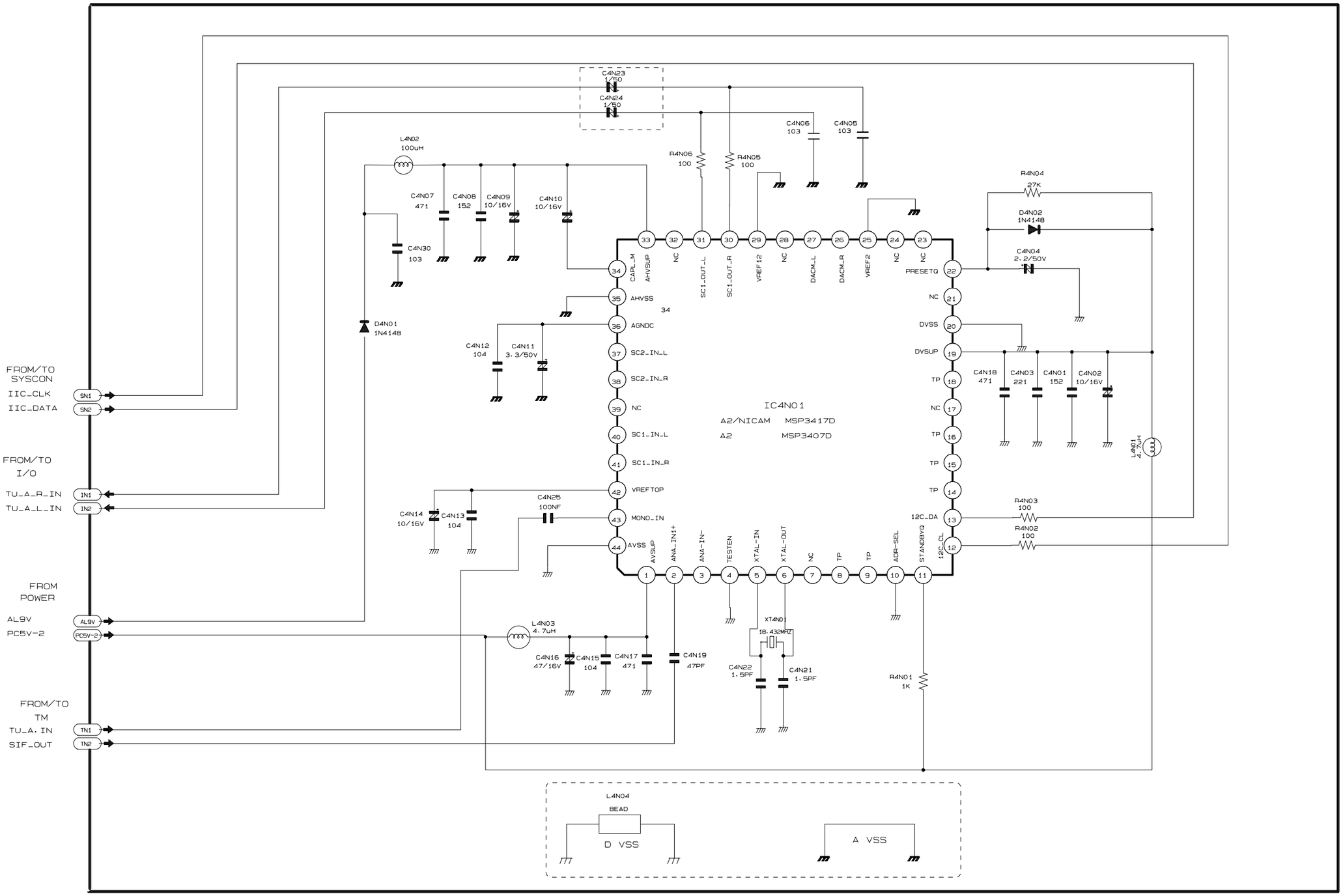
6-6 Hi-Fi


IC501
LA72646M
R-CH IN SEL
L-CH IN SEL
OUT SEL
C.A.R.IN
AV.A.R.IN
AUX.A.R.IN
TU.A.L.IN
TU.A.R.IN
HI-FI_RCH
HI-FI_COMMON
HI-FI_LCH
MONO_A.OUT
MONO_A.IN
HI-FI_HD_SW
IIC_CLK
IIC_DATA
A.OUT
C.A.L.OUT
C.A.R.OUT
AUX.A.L.IN
AUX.A.R.IN
AL5.8V
AL9V
FROM/TO A/V
VH3 HI-FI_RCH
VH2 HI-FI_COMMON
VH1 HI-FI_LCH
VH5 MONO_A.OUT
VH4 MONO_A.IN
FROM/TO SYSCON/SERVO
SH1 HI-FI_HD_SW
SH2 HI-FI_ENV
SH3 IIC_CLK
SH4 IIC_DATA
SH5 A.OUT
FROM/TO I/O
IH2 A.R.OUT
IH3 A.L.OUT
IH4 C.A.L.IN
IH5 C.A.R.IN
IH6 AV.A.L.IN
IH7 AV.A.R.IN
IH8 TU.A.L.IN
IH9 TU.A.R.IN
IH11 C.A.L.OUT
IH12 C.A.R.OUT
IH12 AUX.A.L.IN
IH13 AUX.A.R.IN
FROM POWER
AL5.8V
AL9V

6-7 A2/NICAM



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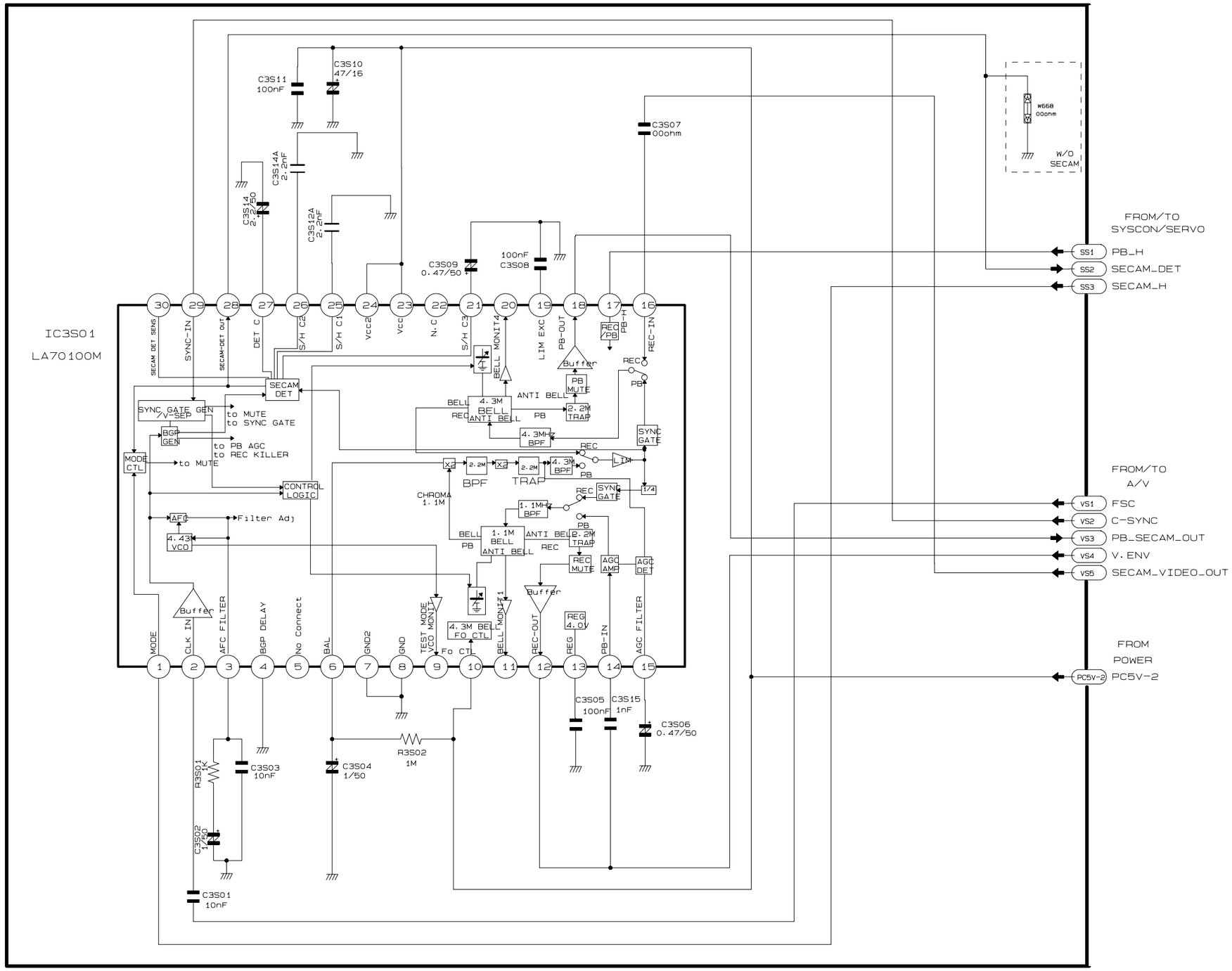
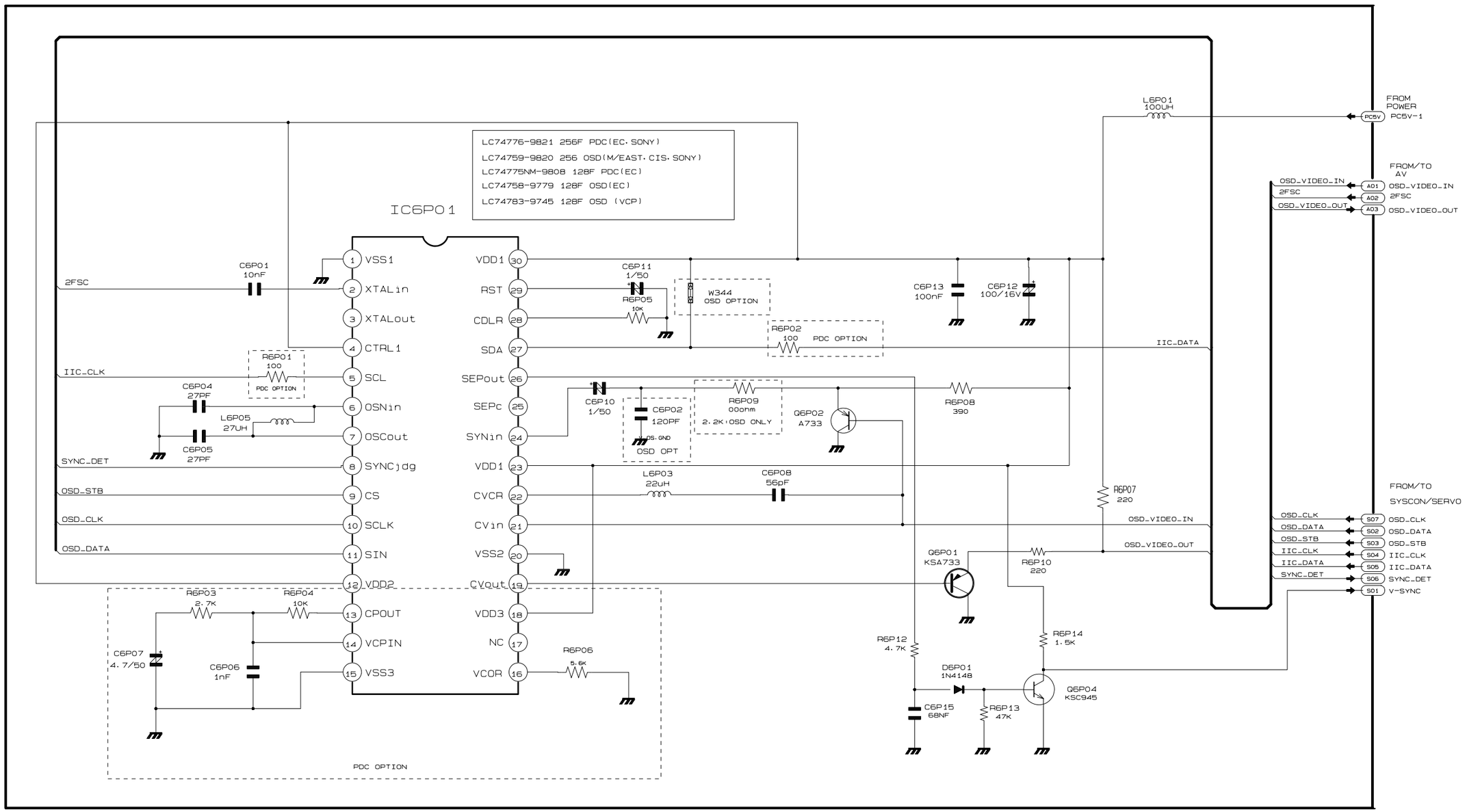
6-8 SECAM (Option)



6-9 OSD/VPS/PDC



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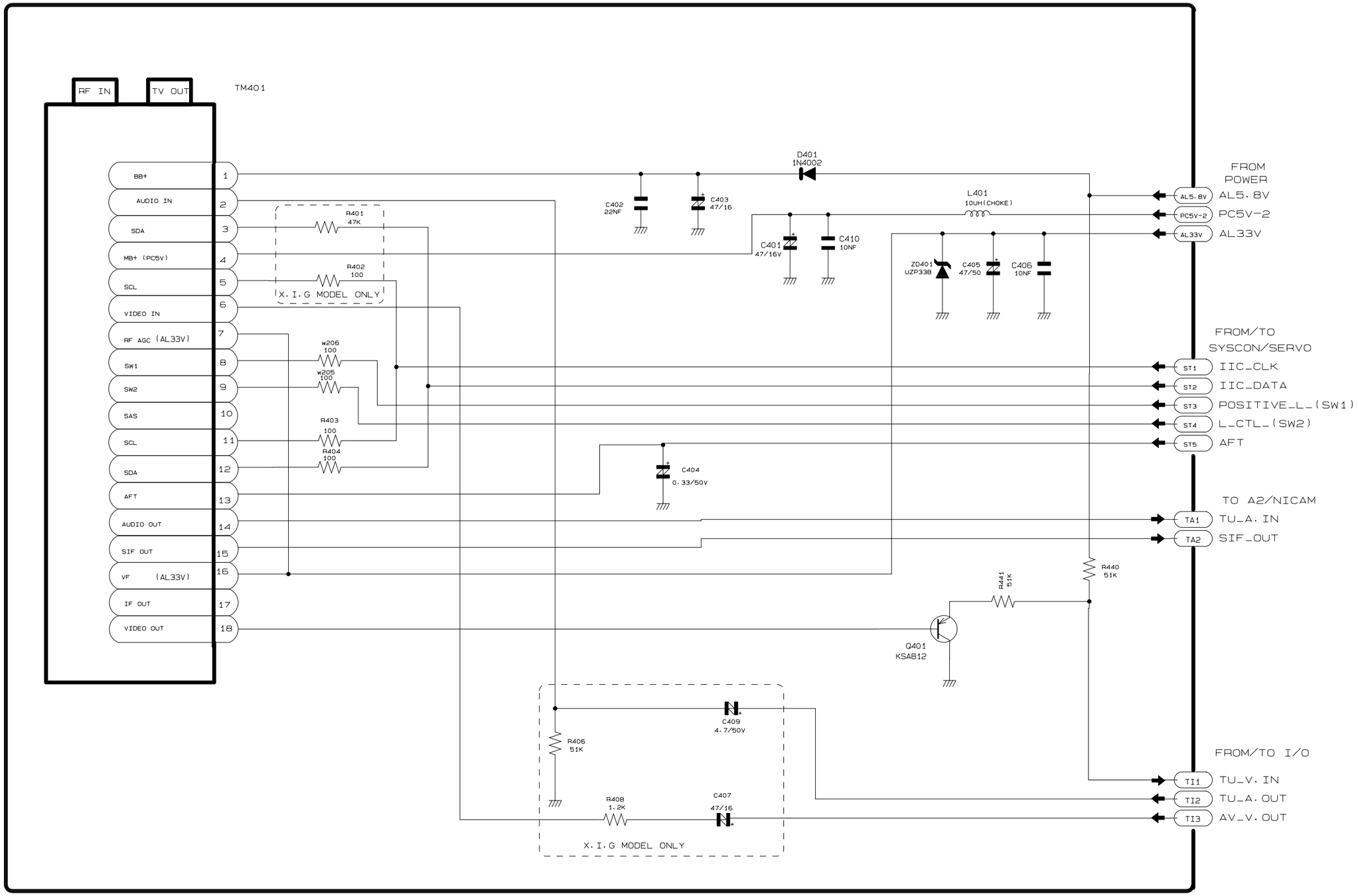
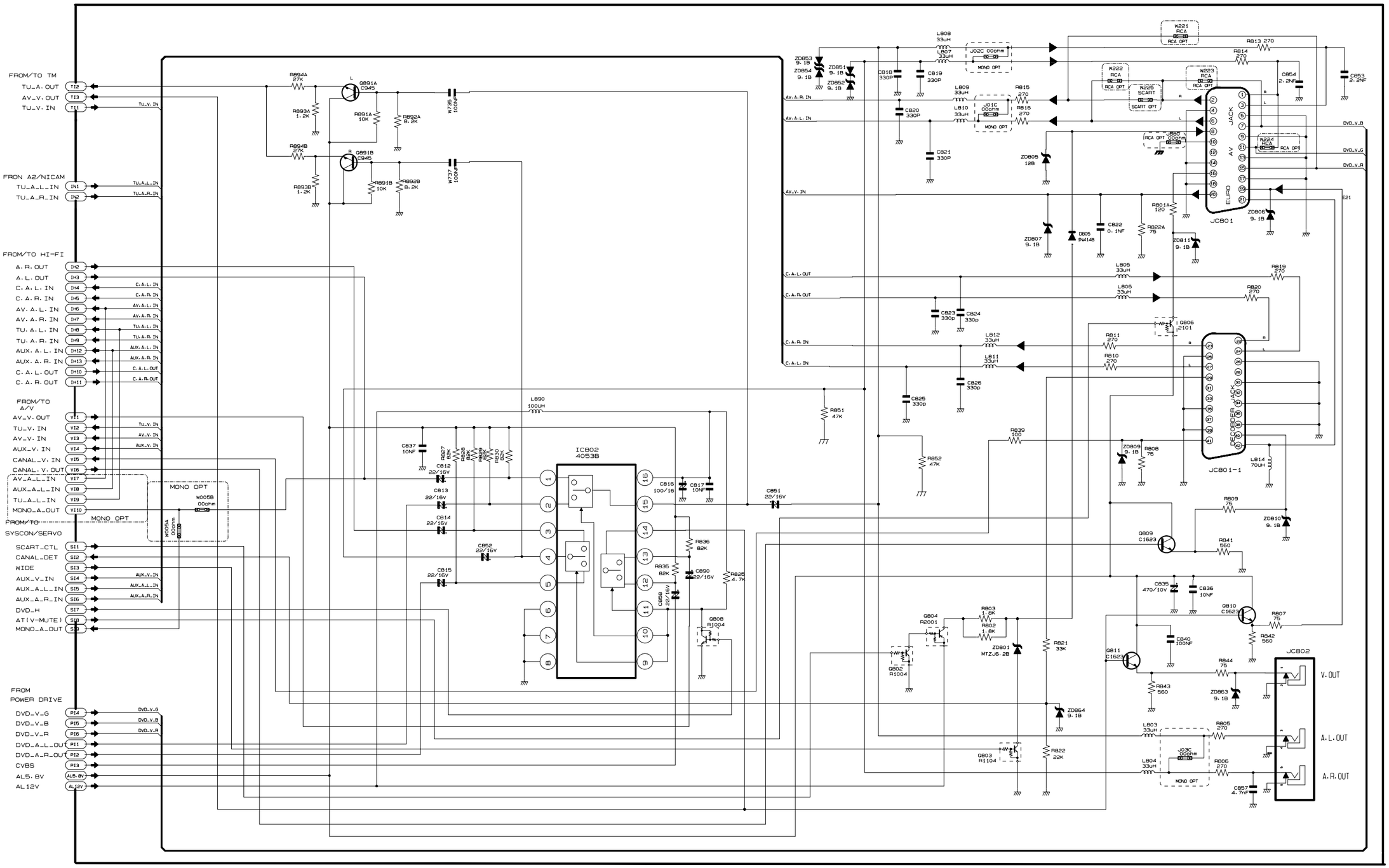
6-10 TM


TM401
RF IN
TV OUT
BB+ 1
AUDIO IN 2
SDA 3
MB+ (PC5V) 4
SCL 5
VIDEO IN 6
RF AGC (AL33V) 7
SW1 8
SW2 9
SAS 10
SCL 11
SDA 12
AFT 13
AUDIO OUT 14
SIF OUT 15
VF (AL33V) 16
IF OUT 17
VIDEO OUT 18
R401 47K
R402 100
X.I.G MODEL ONLY
W206 100
W205 100
R403 100
R404 100
C402 22NF
C403 47/16
D401 1N4002
L401 10UH(CHOKE)
C401 47/16V
C410 10NF
ZD401 UZP33B
C405 47/50
C406 10NF
C404 0.33/50V
R440 51K
R441 51K
Q401 KSA812
C409 4.7/50V
R406 51K
R408 1.2K
C407 47/16
X.I.G MODEL ONLY
FROM POWER
AL5.8V
PC5V-2
AL33V
FROM/TO SYSCON/SERVO
ST1 IIC_CLK
ST2 IIC_DATA
ST3 POSITIVE_L_(SW1)
ST4 L_CTL_(SW2)
ST5 AFT
TO A2/NICAM
TA1 TU_A.IN
TA2 SIF_OUT
FROM/TO I/O
TI1 TU_V.IN
TI2 TU_A.OUT
TI3 AV_V.OUT

6-11 Input-Output



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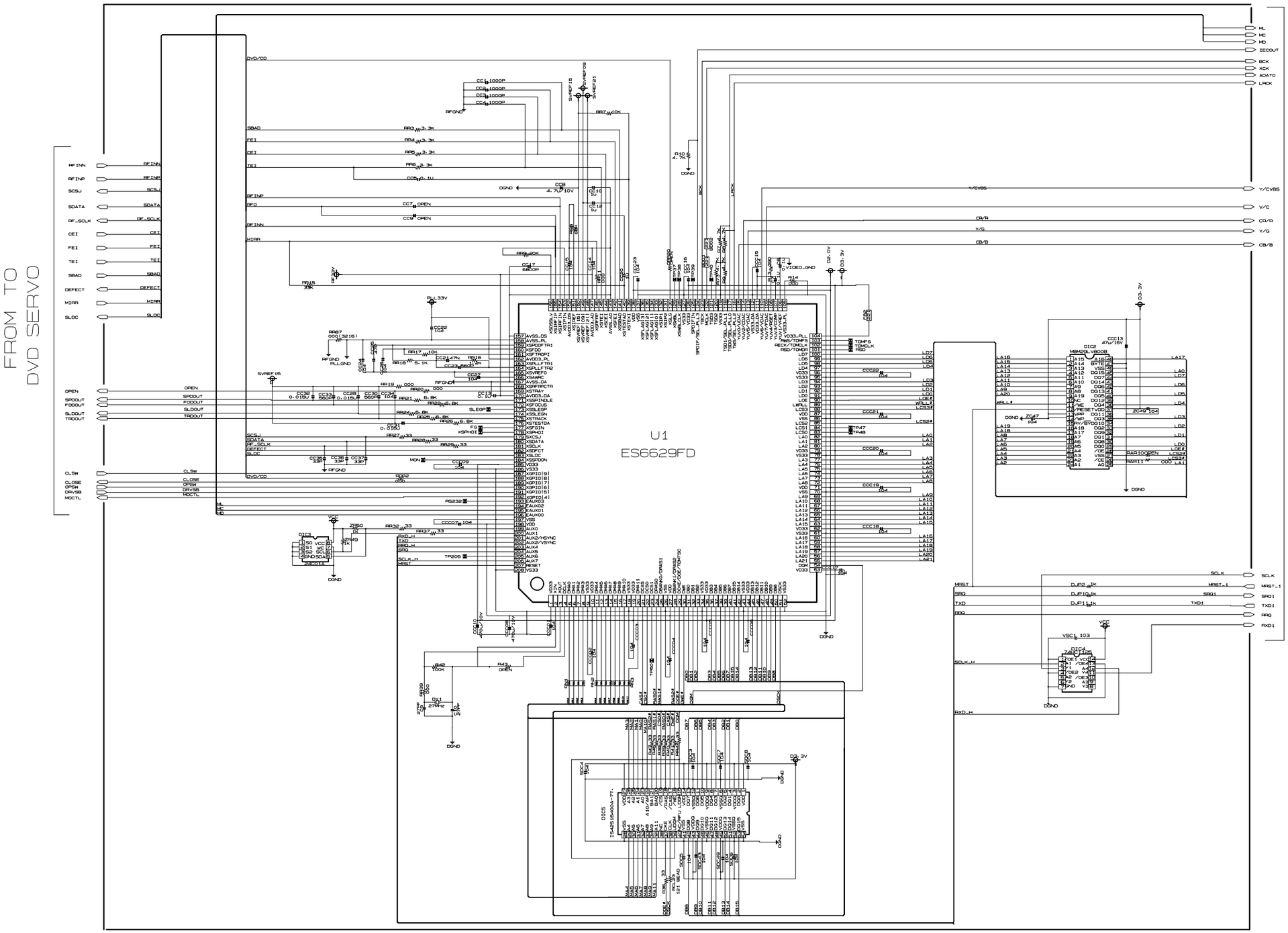
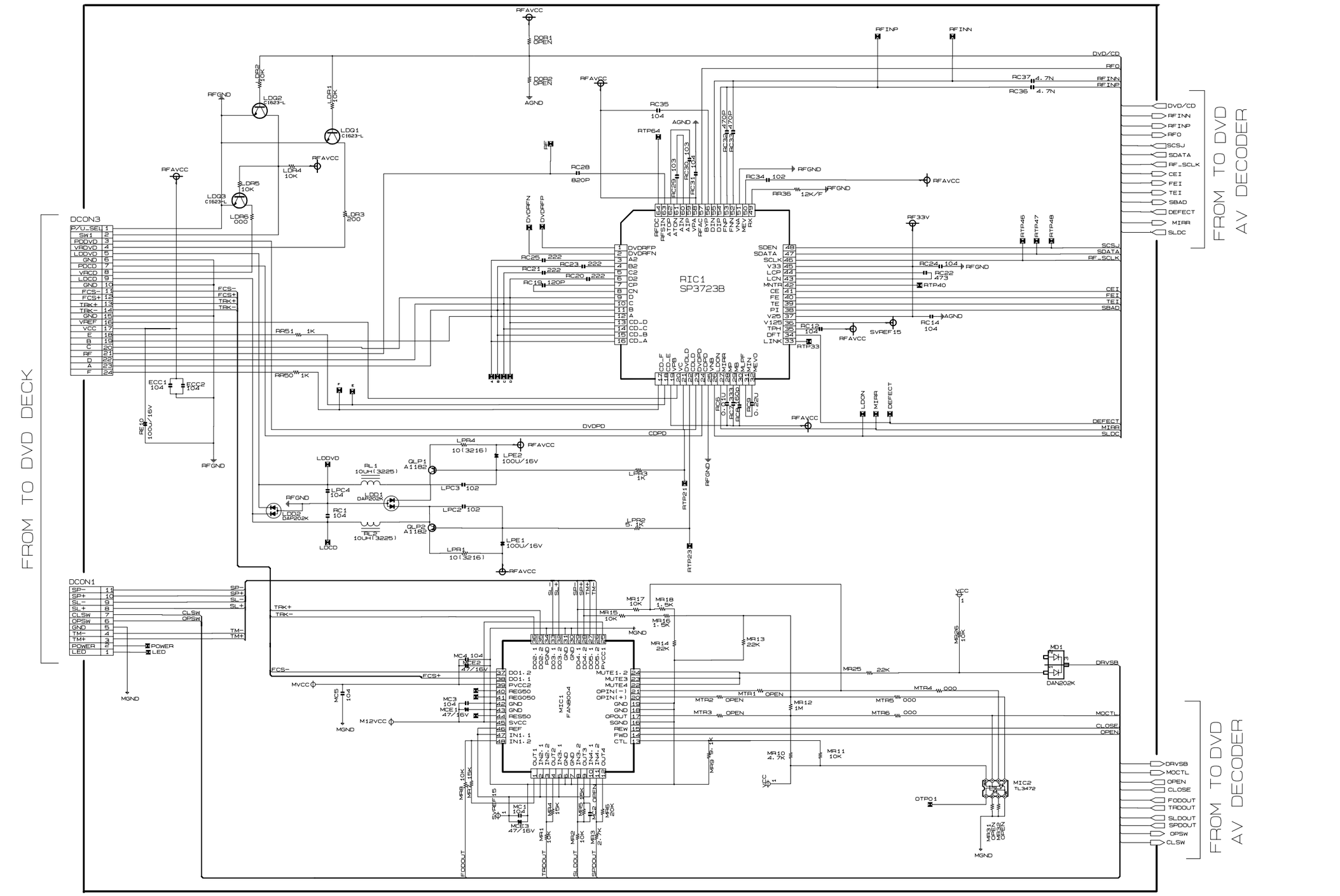
6-12 DVD AV DECORDER



6-13 DVD SERVO



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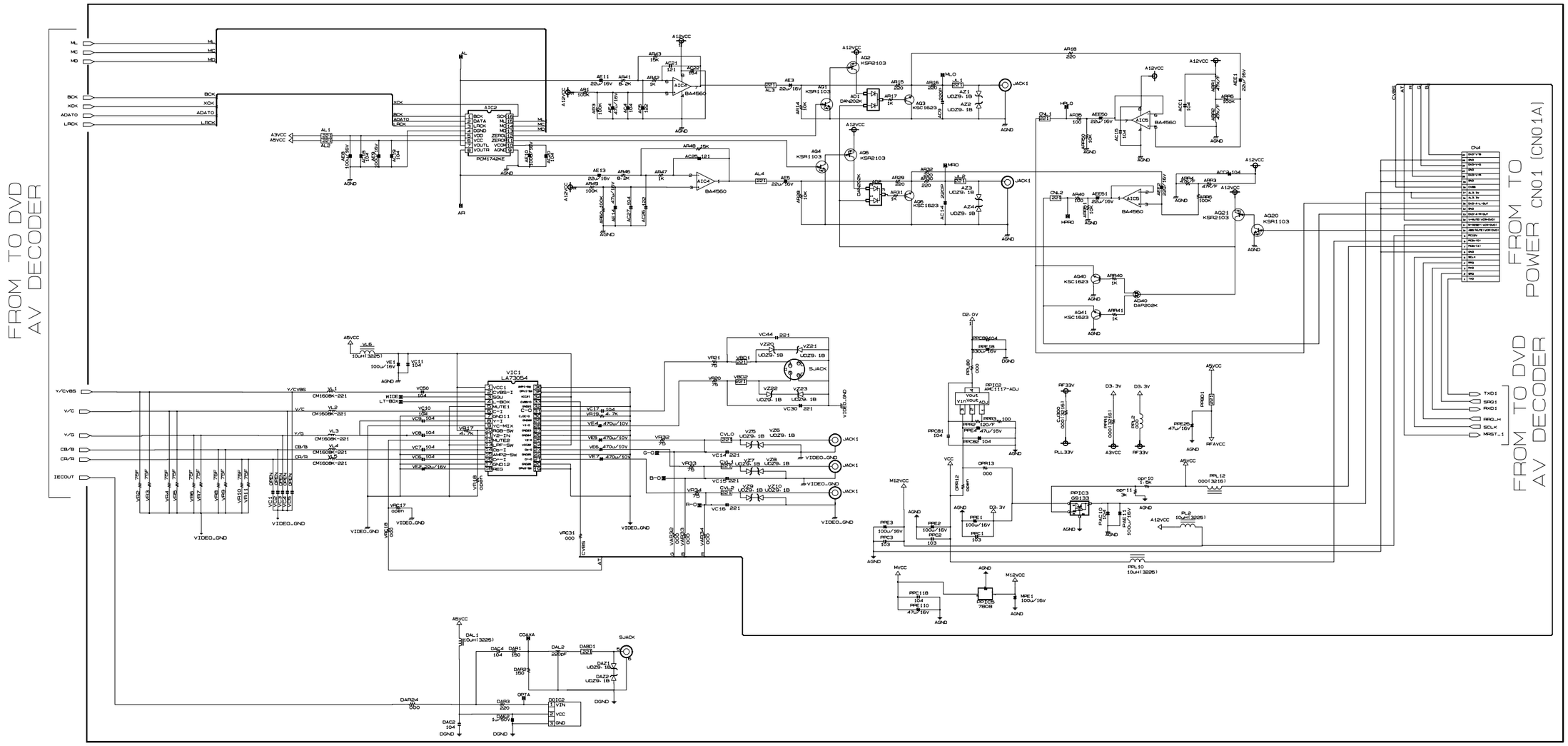
6-14 DVD AUDIO/VIDEO



MEMO